Zeitschrift für angewandte Mathematik und Physik

Journal of Applied Mathematics and Physics
Journal de Mathématiques et de Physique appliquées

ZAMP

Redaktionsausschuß/Editorial Board/Comité de Rédaction:
P. Henrici N. Rott M. Sayir

Mitherausgeber/Co-Editors/Rédacteurs adjoints:
F. H. Busse, W. Franzen, H. Görtler, J. Hersch, P. Maeder,
J. T. Marti, R. Meyer, F. Reissner, J. A. Shercliff, R. T. Shield,
H. Thomann, W. Traupel, H. P. Weber, Ch. Wehrli, H. Ziegler

Redaktionssekretärin/Secretary to the Editor/Secrétaire de rédaction:
M. Eberhardt

Vol. 32, 1981

Birkhäuser Verlag · Basel · Boston · Stuttgart
Schweiz · Switzerland · Suisse

INHALT – CONTENTS – SOMMAIRE

ORIGINALARBEITEN

Original Papers · Articles originaux

	Seite *Page*	Nr. *Issue*
Acker, A.: How to approximate the solutions of certain free boundary problems for the Laplace equation by using the contraction principle	22	1
Acker, A.: On the existence of convex solutions for free boundary extremal problems involving torsional rigidity and capacity	434	4
Acker, A., Payne, L. E., and *Philippin, G.:* On the convexity of level lines of the fundamental mode in the clamped membrane problem, and the existence of convex solutions in a related free boundary problem	683	6
Amaouche, M., Peube, J. L., et *Loraud, J. C.:* Contribution à l'étude de l'établissement des ondes gravito-capillaires forcées d'amplitude finie	382	4
Bainov, D. and *Milusheva, S.:* Justification of the averaging method for a system of differential equations with fast and slow variables and with impulses	237	3
Bielak, J.: Some remarks on bounds to eigenvalues of Sturm-Liouville problems with discontinuous coefficients	647	6
Bölcs, A.: Berechnung der Strömung in einem überschallangeströmten Schaufelgitter bei variabler Schichtdicke	497	5
Cheng, H. K., Chow, R., and *Melnik, R. E.:* Lifting-line theory of swept wings based on the full potential theory	481	5
Choi, I. and *Shield, R. T.:* Second-order effects in problems for a class of elastic materials	361	4
Duck, P. W.: Laminar flow over a small unsteady three dimensional hump	62	1
Durst, F., Schönung, B., and *Simons, M.:* Steady ellipsoidal vortex rings with finite cores	156	2
El Mekki, O. M. H.: Hydromagnetic planetary-gravity waves in vertically sheared zonal flow and zonal magnetic field	721	6
Fishman, L. and *McCoy, J. J.:* A unified view of bulk property theories for stochastic and periodic media	45	1
Forbes, L. K. and *Schwartz, L. W.:* Supercritical flow past blunt bodies in shallow water	314	3
Fox, D. W. and *Kuttler, J. R.:* Upper and lower bounds for sloshing frequencies of some plane regions	667	6
Frank, G. and *Meyer-Spasche, R.:* Computation of transitions in Taylor vortex flows	710	6
Fraser, C.: Bénard instabilites in polar fluids	695	6
Ganapol, B. D. and *Spiga, G.:* Time-dependent radiative transfer in a semi-infinite medium with a reflecting boundary	555	5
Keller, J. J.: Propagation of simple non-linear waves in gas filled tubes with friction	170	2
Kestin, J. and *Shankland, I. R.:* A re-evaluation of the relative measurement of viscosity with oscillating-disk viscometers	533	5
Kohler-Jobin, M.-T.: Isoperimetric monotonicity and isoperimetric inequalities of Payne-Rayner type for the first eigenfunction of the Helmholtz problem	625	6
Kumari, M. and *Nath, G.:* Self-similar solution of unsteady compressible three-dimensional stagnation-point boundary layers	267	3

	Seite *Page*	Nr. *Issue*
MacDonald, D. A.: The Unsteady Reynolds slider bearing	296	3
Miketinac, M. J. and *Parter, S. V.:* Numerical computation of certain three-dimensional stellar structures using a semidiscrete pseudospectral method	204	2
Normand, Ch.: Convective flow patterns in rectangular boxes of finite extent	81	1
Owen, D. R. and *Yin, W.-L.:* Plane irrotational flows of rigid-viscoplastic bodies	396	4
Pritzker, A. and *Hälg, W.:* Radiation dynamics of a nuclear explosion	1	1
Reissner, E.: On the effect of shear center location on the values of axial and lateral cantilever buckling loads for simply symmetric cross-section beams	182	2
Reissner, E.: On finite deformations of space-curved beams	734	6
Rossmanith, H. P.: On the breadth of isochromatic fringe loops and the associated stress function parameters	189	2
Savage, S. B. and *Sayed, M.:* Gravity flow of coarse cohesionless granular materials in conical hoppers	125	2
Sawyers, K. N. and *Rivlin, R. S.:* Some stability conditions for a compressible elastic material	255	3
Schindler, H. J.: Path-stability of a crack crossing a beam in bending	570	5
Sharma, C. B.: Elastic field of a deforming circular inclusion in an infinite strip	582	5
Shercliff, J. A.: The boundary layer on a wall nearly parallel to a magnetic field	546	5
Siewert, C. E. and *Thomas, J. R.:* Strong evaporation into a half space	421	4
Sigillito, V. G. and *Fox, D. W.:* Sloshing eigenvalues of two-dimensional regions with holes	658	6
Smit, C. H.: On the modelling of distributed outflow in one-dimensional models of arterial blood flow	408	4
So, R. M. C.: Wall temperature profiles for turbulent curved shear layers	514	5
Spector, S. J.: On Gibbs stability in the classical theory of fluid mixtures	286	3
Sperb, R. P.: Comparison results in a class of reaction-diffusion problems	12	1
Sperb, R. P.: On an eigenvalue problem arising in chemistry	450	4
Spiga, G. and *Spiga, M.:* Classical and accelerated evaluation of neutron escape probability	329	3
Tao, L. N.: Heat conduction with nonlinear boundary condition	144	2
Thomann, H.: Lateral oscillations of a valve connected to a pipe. Part IV: Experiments	277	3
Wake, G. C. and *Bazley, N. W.:* Criticality in a model for thermal ignition in three or more dimensions	594	5
Weisel, J.: Approximation quasikonformer Abbildungen mehrfach zusammenhängender Gebiete durch finite Elemente	34	1

KURZE MITTEILUNGEN

Brief Reports · Communications brèves

Bareket, M.: On the convexity of the sum of the first eigenvalues of operators depending on a real parameter	464	4
Bassiouny, A. K.: A non-translationally invariant spherical model with random bonds	115	1
Bazley, N. W. and *Küpper, T.:* Bifurcation diagrams and periodic solutions to nonlinear equations	470	4
Brenner, H.: Poiseuille flow through n-dimensional hypercircular and hyperelliptic cylinders	347	3
Duck, P. W. and *Hall, P.:* The centrifugal instability of a Stokes layer: asymmetric disturbances	102	1
Dunwoody, N. T. and *Hamill, T. A.:* Mechanical heating in lineal tube flow of non-Newtonian fluids	97	1

	Seite *Page*	Nr. *Issue*
Groh, G.: Eine Integralgleichungsmethode für die räumliche Potentialströmung um beliebige Körper	107	1
Jeffrey, A. and *Myungi, J.:* A note on the effect of submerged obstacles on water waves in a channel	756	6
Kreth, H. and *Sprekels, J.:* On the uniqueness of conduction in relaxation-case semiconductors	344	3
Larsen, J.: On the measuring of diffusion coefficients of solid materials	229	2
Loyalka, S. K., Siewert, C. E., and *Thomas* jr., *J. R.:* An approximate solution concerning strong evaporation into a half space	745	6
Mæland, E.: On Non-linear heat-up of a Boussinesq fluid in a circular cylinder	748	6
Neta, B.: Note on error analysis for the spectral synthesis method with interfaces	603	5
O'Neill, M. E. and *Ranger, K. B.:* Flow past a sphere straddling the Interface of a two-phase system	474	4
Phan-Thien, N.: Some similarity solutions of the generalized Newtonian Fluid	609	5
Reissner, E.: A note on bending of plates including the effects of transverse shearing and normal strains	764	6
Schmidt, R.: In-plane postbuckling of rings subjected to a constant-directional pressure load	616	5
Teichmann, J.: On the stochastic stability of systems with discrete parameters and arbitrary circulatory forces	110	1

VARIA

Miscellaneous · Divers

Errata. On curvilinear distributions expressed by double Fourier series. By A. P. Zielinski, Z. angew. Math. Phys. 31 717–729 (1980)	357	3
Bevorstehende internationale Tagungen – List of Forthcoming international meetings – Prochaines conférences internationales	121 620	1 5

BUCHBESPRECHUNGEN

Book Reviews · Notices bibliographiques

Alonso, J. L. and *Tarrâch, R.* (Editors): Quantum chromodynamics (Springer-Verlag, Berlin 1980) (Ref. D. Trautmann/R. D. Viollier)	235	2
Atkin, R. J. and *Fox, N.:* An introduction to the theory of elasticity (Longman, London/New York 1980) (Ref. M. Sayir)	236	2
Batschelet, E.: Mathematik für Biologen (Springer-Verlag, Berlin 1980) (Ref. P. Henrici)	358	3
Boor, C. de: A practical guide to splines (Springer-Verlag, Berlin 1978) (Ref. J. T. Marti)	480	4
Bröcker, Th.: Analysis in mehreren Variablen (B. G. Teubner, Stuttgart 1980) (Ref. C. Blatter)	359	3
Bullough, R. K. and *Caudrey, P. J.* (Editors): Topics in Current Physics, Vol 17: Solitons (Springer-Verlag, Berlin 1980) (Ref. R. Monnier)	359	3
Buchberger, B. und *Lichtenberger, F.:* Mathematik für Informatiker I. Die Methode der Mathematik (Springer-Verlag, Berlin 1980) (Ref. E. Engeler)	768	6
Bundesanstalt für Materialprüfung und Deutsche Rheologische Gesellschaft, Herausgeber: Dokumentation Rheologie Nr. 46, 1980 (BAM/DRG, Berlin 1981) (Ref. W. Epprecht)	768	6

	Seite *Page*	Nr. *Issue*
Childs, B., Scott, M., Daniel, J. W., Denman, E., and *Nelson, P.,* (Editors): Codes for boundary-value problems in ordinary differential equations (Springer-Verlag, Berlin 1979) (Ref. A. Friedli)	234	2
Cohn, D. L.: Measure Theory (Birkhäuser Verlag, Basel 1980) (Ref. K. Jacobs)	478	4
Cordes, Z. O.: Elliptic pseudo-differential operators, an abstract theory (Springer-Verlag, Berlin 1979) (Ref. H. Amann)	235	2
Dembinski, P. (Herausgeber): Mathematical Foundations of Computer Science 1980, Proc., Lect. Notes in Computer Sci, Bd. 88 (Springer-Verlag, Berlin 1980) (Ref. E. Engeler)	769	6
Doran, R. S. and *Wichtman, J.:* Approximate Identities and Factorization in Banach Moduls (Springer-Verlag, Berlin 1979) (Ref. C. Blatter)	360	3
Edwards, jr., C. H.: The historical development of the calculus (Springer-Verlag, Berlin 1979) (Ref. E. Neuenschwander)	122	1
Eichmeier, J.: Moderne Vakuumelektronik (Springer-Verlag, Berlin 1980) (Ref. E. Bas)	770	6
Fenyö, S.: Moderne mathematische Methoden in der Technik, Bd. 3 (Birkhäuser Verlag, Basel 1980) (Ref. P. Henrici)	357	3
Furrer, F. J.: Fehlerkorrigierende Block-Codierung für die Datenübertragung. Lehr- und Handbücher d. Ing. Wissenschaften Bd. 36 (Birkhäuser Verlag, Basel, 1981) (Ref. P. Henrici)	623	5
Gaier, D.: Vorlesungen über Approximation im Komplexen (Birkhäuser Verlag, Basel 1980) (Ref. P. Henrici)	357	3
Garcia, P. L., Pérez-Rendon, A., and *Souriau, J. M.* (Editors): Differential Geometrical Methods in Mathematical Physics (Springer-Verlag, Berlin 1980) (Ref. R. Jost)	770	6
Gaus, W. (Herausgeber): Ausbildung in medizinischer Dokumentation, Statistik und Datenverarbeitung, Proc. Neu-Ulm 1979 (Springer-Verlag, Berlin 1981) (Ref. G. Schüler)	771	6
Gohberg, I. und *Goldberg, S.:* Basic Operator Theory (Birkhäuser Verlag, Boston-Basel-Stuttgart 1981) (Ref. P. Henrici)	769	6
Groetsch, Ch. W.: Elements of Applicable Functional Analysis (M. Dekker, New York 1980) (Ref. J. T. Marti)	122	1
Haken, H. (Editor): Dynamics of Synergetic Systems (Springer-Verlag, Berlin 1980) (Ref. K. Hepp)	123	1
Heinhold, J. und *Gaede, K. W.:* Ingenieur-Statistik, 4. Aufl. (Oldenbourg-Verlag, München 1979) (Ref. V. Wüthrich)	624	5
Herdman, T. L., Rankin III, S. M., and *Stech, H. W.* (Editors): Integral and Functional Differential Equations, Lect. Notes in Pure and Applied Maths, Vol. 67 (Marcel Dekker, Inc., New York and Basel 1981) (Ref. H. Brunner)	772	6
Hestenes, M. R.: Conjugate direction methods in optimization. Application of Maths. vol. 12 (Springer-Verlag, Berlin 1980) (Ref. H.-J. Lüthi)	479	4
Helgason, S.: The radon transform (Birkhäuser Verlag, Basel 1980) (Ref. M. Trummer)	121	1
Hirsch, F., et *Mokobodzki, G.,* (éditeurs): Séminaire de théorie du potentiel, Paris No. 5 (Springer-Verlag, Berlin 1980) (Ref. A. Huber)	479	4
Iracki, K., Malanowski, K., and *Walukiewicz, S.,* (Editors): Optimization Techniques, Proc. Warsaw 1979, Part 1 and 2 (Springer-Verlag, Berlin 1980) (Ref. K. Hazeghi)	360	3
Kappel, F. and *Schappacher, W.:* Abstract Cauchy problems and functional differential equations (Pitman, Boston 1981) (Ref. J. T. Marti)	771	6
Kilian, W. und *Porth, A. J.* (Herausgeber): Juristische Probleme der Datenverarbeitung in der Medizin. Med. Informatik und Statistik, Bd. 12 (Springer-Verlag, Heidelberg 1979) (Ref. G. Schüler)	236	2
Kummer, B.: Spiele auf Graphen. Int. Ser. of Num. Maths vol. 44 (Birkhäuser Verlag, Basel 1980) (Ref. E. Specker)	358	3
Liddell, H. M.: Computer-aided techniques for the design of multilayer filters (Adam Hilger, Bristol 1980) (Ref. R. Dändliker)	772	6

	Seite *Page*	Nr. *Issue*
Maess, G.: Iterative Lösung linearer Gleichungssysteme (J. A. Barth, Leipzig 1979) (Ref. W. Gander)	121	1
Matsuda, M.: First order algebraic differential equations. Lect. Notes in Maths. vol. 804 (Springer-Verlag, Berlin 1980) (Ref. P. Henrici)	357	3
Mertens, P. (Herausgeber): Prognoserechnung 4. Aufl. (Physica-Verlag, Würzburg 1981) (Ref. K. Hazeghi)	771	6
Mittelmann, H. D. and *Weber, H.:* Bifurcation problems and their numerical solutions (Birkhäuser Verlag, Basel 1980) (Ref. U. Kirchgraber)	768	6
Ne'eman, Y. (Herausgeber): To Fulfill a Vision, Jerusalem Einstein Centennial Symposium (Addison Wesley, Reading 1981) (Ref. R. Jost)	769	6
Pauli, W.: General Principles of Quantum Mechanics (Springer-Verlag, Berlin 1980) (Ref. R. Jost)	770	6
Rautmann, R. (Editor): Approximation methods for Navier-Stokes problems, Proc. IUTAM Paderborn 1979 (Springer-Verlag, Berlin 1980) (Ref. H. Niessner)	234	2
Roseau, M.: Equations différentielles (Masson, Paris 1976) (Ref. J. Hersch)	236	2
Rozsa, P. (Editor): Numerical Methods. Coll. Math. Soc. Janos Bolyai, vol. 22 (North-Holland Publ. Co, Amsterdam 1980) (Ref. W. Gander)	478	4
Roy, H. L. Le: Prinzipien der linearen Algebra (Verlag P. Haupt, Bern 1980) (Ref. U. Kirchgraber)	623	5
Sahney, B. N. (Editor): Polynomial and spline approximation (D. Reidel, Dordrecht 1979) (Ref. J. T. Marti)	480	4
Sanderson, J. G.: A relational theory of computing. Lect. Notes in Computer Sci. vol. 82 (Springer-Verlag, Berlin 1980) (Ref. E. Engeler)	479	4
Schempp, W. und *Dreseler, B.:* Einführung in die harmonische Analyse (B. G. Teubner, Stuttgart 1980) (Ref. C. Blatter)	359	3
Scholz, E.: Geschichte des Mannigfaltigkeitsbegriffs von Riemann bis Poincaré (Birkhäuser Verlag, Basel 1980) (Ref. E. Neuenschwander)	478	4
Schwartz, L.: Semi-martingales sur des variétés, et martingales conformes sur des variétés analytiques complexes (Springer-Verlag, Berlin 1980) (Ref. S. D. Chatterji)	623	5
Spencer, A. J. M.: Continuum Mechanics (Longman, London/New York 1980) (Ref. H. Ziegler)	123	1
Thüring, B.: Einführung in die Protophysik der Welle – Kymometrie (Dunker & Humblot Verlag, Berlin 1978) (Ref. F. Siemsen)	124	1
Tinhofer, G.: Zufallsgraphen. Appl. Computer, Sci. Bd. 17 (C. Hanser, München/ Wien 1980) (Ref. P. Lauchli)	122	1
Todd, J.: Basic Numerical Mathematics, Vol. 1/2 (Birkhäuser Verlag, Basel 1979/1977) (Ref. W. Gander)	123	1
Vignéras, M.-F.: Arithmétique des algèbres des quaternions. Lect. Notes in Maths. vol. 800 (Springer-Verlag, Berlin 1980) (Ref. M. Eichler)	358	3
Woolf, H.: Some strangeness in the proportion – a centennial symposium to celebrate the achievements of Albert Einstein (Addison-Wesley, Reading Mass.) (Ref. R. Jost)	360	3
Zimann, J. M.: Models of Disorder (Cambridge University Press, Cambridge 1979) (Ref. K. Hepp)	123	1

AUTORENREGISTER

Index of authors · Table des auteurs

O = Originalarbeiten – Original papers – Articles originaux
M = Kurze Mitteilungen · Brief reports – Communications brèves
V = Varia – Miscellaneous – Divers
B = Buchbesprechungen – Book Reviews – Notices bibliographiques

Acker, A., O 22, 434
Acker, A., Payne, L. E., and *Philippin, G.*, O 683
Amann, H., B 235
Amaouche, M., Peube, J. L., et *Loraud, J. C.*, O 382

Bainov, D. and *Milusheva, S.*, O 237
Bareket, M., M 464
Bas, E., B 770
Bassiouny, A. K., M 115
Bazley, N. W. and *Küpper, T.*, M 470
Bazley, N. W. and *Wake, G. C.*, O 594
Bielak, J., O 647
Blatter, C., B 360
Bölcs, A., O 497
Brenner, H., M 347
Brunner, H., B 772

Chatterji, S. K., B 623
Cheng, H. K., Chow, R., and *Melnik, R. E.*, O 481
Choi, I., and *Shield, R. T.*, O 361
Chow, R., Cheng, H. K., and *Melnik, R. E.*, O 481

Dändliker, R., B 772
Duck, P. W., O 62
Duck, P. W. and *Hall, P.*, M 102
Dunwoody, N. T. and *Hamill, T. A.*, M 97
Durst, F., Schönung, B., and *Simons, M.*, O 156

Eichler, M., B 358
El Mekki, O. M. H., O 721
Engeler, E., B 479, 768, 769
Epprecht, W., B 768

Fishman, L. and *McCoy, J.*, O 45
Forbes, L. K., O 314
Fox, D. W. and *Kuttler, J. H.*, O 667
Fox, D. W. and *Sigillito, V. G.*, O 658
Frank, G. and *Meyer-Spasche, R.*, O 710
Fraser, C., O 695
Friedli, A., B 234

Ganapol, B. D. and *Spiga, G.*, O 555
Gander, W., B 121, 123, 478
Groh, G., M 107

Hälg, W. and *Pritzker, A.*, O 1
Hall, P. and *Duck, P. W.*, M 102
Hamill, T. A. and *Dunwoody, N. T.*, M 97
Hazeghi, K., B 360, 771
Henrici, P., B 357, 358, 623, 769
Hepp, K., B 123
Hersch, J., B 236
Huber, A., B

Jacobs, K., B 378
Jeffrey, A. and *Mvungi, J.*, M 756
Jost, R., B 360, 769, 770

Keller, J. J., O 170
Kestin, J. and *Shankland, I. R.*, O 533
Kirchgraber, U., B 623
Kohler-Jobin, M.-T., O 625
Kreth, H. and *Sprekels, J.*, M 344
Kumari, M. and *Nath, G.*, O 267
Küpper, T. and *Bazley, N. W.*, M 470
Kuttler, J. R. and *Fox, D. W.*, O 667

Larsen, J., M 229
Läuchli, P., B 122
Loraud, J. C., Amaouche, M., and *Peube, J. L.*, O 382
Loyalka, S. K., Siewert, C. E., and *Thomas jr., J. R.*, M 745
Lüthi, H.-J., B 479

MacDonald, D. A., O 296
Mæland, E., M 748
Marti, J. T., B 122, 480, 771
McCoy, J. J. and *Fishman, L.*, O 45
Melnik, R. E., Cheng, H. K., and *Chow, R.*, O 481
Meyer-Spasche, R. and Frank, G., O 710
Miketinac, M. J. and *Parter, S. V.*, O 204
Milusheva, S. and *Bainov, D.*, O 237
Monnier, R., B 359
Mvungi, J. and *Jeffrey, A.*, M 756

Nath, G. and *Kumari, M.*, O 267
Neta, B., M 603
Neuenschwander, E., B 122, 478
Niessner, H., B 234
Norman, Ch., O 81

O'Neill, M. E. and *Ranger, K. B.*, M 474
Owen, D. R. and *Yin, W.-L.*, O 396

Parter, S. V. and *Miketinac, M. J.*, O 204
Payne, L. E., Acker, A., and *Philippin, G.*, O 683
Peube, J. L., Amaouche, M., et *Loraud, J. C.*, O 382
Phan-Thien, N., M 609
Philippin, G., Acker, A., and *Payne, L. E.*, O 683
Pritzker, A. and *Hälg, W.*, O 1

Ranger, K. B. and *O'Neill, M. E.*, M 474
Reissner, E., O 182, 734, M 764
Rivlin, R. S. and *Sawyers, K. N.*, O 255
Rossmanith, H. P., O 189

Savage, S. B. and *Sayed, M.*, O 125
Sayed, M. and *Savage, S. B.*, O 125
Sayir, M., B 236
Sawyers, K. N. and *Rivlin, R. S.*, O 255
Schindler, H. J., O 570
Schmidt, R., M 616
Schönung, B., Durst, F., and *Simons, M.*, O 156
Schüler, G., B 236, 771
Schwartz, L. W. and *Forbes, L. K.*, O 314
Shankland, I. R. and *Kestin, J.*, O 533
Sharma, C. B., O 582
Shercliff, J. A., 546
Shield, R. T. and *Choi, I.*, O 361
Siemsen, F., B 124
Siewert, C. E., Loyalka, S. K., and *Thomas jr., J. R.*, M 745
Siewert, C. E. and *Thomas jr., J. R.*, O 421
Sigillito, V. G. and *Fox, D. W.*, O 658
Simons, M., Durst, F., and *Schönung, B.*, O 156
Smit, C. H., O 408
So, R. M. C., O 514
Specker, E., B 358
Spector, S. J., O 286
Sperb, R. P., O 12, 450
Spiga, G. and *Ganapol, B. D.*, O 555
Spiga, G. and *Spiga, M.*, O 329
Sprekels, J. and *Kreth, H.*, M 344

Tao, L. N., O 144
Teichmann, J., M 110
Thomann, H., O 277
Trautmann, D. und *Viollier, R. D.*, B 235
Trummer, M., B 121

Viollier, R. D. und *Trautmann, D.*, B 235

Wake, G. C. and *Bazley, N. W.*, O 594
Weisel, J., O 34
Wüthrich, V., B 624

Yin, W.-L. and *Owen, D. R.*, O 396

Ziegler, H., B 123

Fasc. 1 (25. 1. 1981) pag. 1–124
Fasc. 2 (25. 3. 1981) pag. 125–236
Fasc. 3 (25. 5. 1981) pag. 237–360
Fasc. 4 (25. 7. 1981) pag. 361–480
Fasc. 5 (25. 9. 1981) pag. 481–624
Fasc. 6 (25. 11. 1981) pag. 625–772

This work ist subject to copyright. All rights are reserved, whether the whole or part of the material is concerned, specifically those of translation, reprinting, re-use of illustrations, broadcasting, reproductions by photocopying machine or similar means, and storage in data banks.

© Birkhäuser Verlag, CH-4010 Basel, Switzerland, 1981
ISSN 0044-2275

Printed in Switzerland